Macro Lenses Wire Form

There has always been a requirement for close focus lenses often described as Macro lenses for use in Cinematography these lenses have made it possible to fill the screen with the smallest detail of an image, fin order to enhance the effect of such close photography it is desirable to have the best possible control of focus when capturing the required shot.

The drawback of macro lenses before the invention of the VanDiemen Wire form system with a variable pitch movement was that at infinity and close focus the amount of lens movement achieved for a give number of degrees of rotation was always the same.

The wireform system lends itself to the change of thread pitch because the form into which the wire rail controlling the speed of movement per degree of rotation is non linear , in exactly the same way as you could stretch out a “slinky sping” (the childs toy which walks down stairways) Ie. one part of it can be stretched out while the remainder is tightly wound . Once this form is set inside the lens barrel the mating part of the thread is engaged being a post on a pivot with a V shape to keep it on the rails..

This delightfully simple system is wear free and self adjusting requiring no maintenance and providing the best possible focus movement for the focus puller or camera operator .

In addition to better feel for the user the lens scales themselves are better spread out making it much easier to engrave more focus distances and more accurate lens stop compensation information.

To try out one of these lenses please give us a call or talk to one of the rental houses who have these lenses for hire.

Lenses of this sort with focal lengths above 60mm are available in Most film mounts and Sony B4 mount with adjustable back focus. Lens mounts are interchangeable in the field without tools by the client.